

Cheng-Cai Chu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179
papers

12,961
citations

64
h-index

110
g-index

207
ext. papers

17,474
ext. citations

8.7
avg, IF

6.52
L-index

#	Paper	IF	Citations
179	From Green Super Rice to green agriculture: reaping the promise of functional genomics research. <i>Molecular Plant</i> , 2021 ,	14.4	3
178	Rice functional genomics: decades of efforts and roads ahead. <i>Science China Life Sciences</i> , 2021 , 65, 33	8.5	10
177	POLLEN STERILITY, a novel suppressor of cell division, is required for timely tapetal programmed cell death in rice. <i>Science China Life Sciences</i> , 2021 , 1	8.5	0
176	Rht24b, an ancient variation of TaGA2ox-A9, reduces plant height without yield penalty in wheat. <i>New Phytologist</i> , 2021 , 233, 738	9.8	4
175	Epigenetic regulation of nitrogen and phosphorus responses in plants. <i>Journal of Plant Physiology</i> , 2021 , 258-259, 153363	3.6	2
174	Genetic architecture underlying light and temperature mediated flowering in Arabidopsis, rice, and temperate cereals. <i>New Phytologist</i> , 2021 , 230, 1731-1745	9.8	17
173	A route to de novo domestication of wild allotetraploid rice. <i>Cell</i> , 2021 , 184, 1156-1170.e14	56.2	81
172	The impact of high-temperature stress on rice: Challenges and solutions. <i>Crop Journal</i> , 2021 ,	4.6	13
171	Salt tolerance in rice: Physiological responses and molecular mechanisms. <i>Crop Journal</i> , 2021 , 10, 13-13	4.6	14
170	Engineering of the cytosolic form of phosphoglucose isomerase into chloroplasts improves plant photosynthesis and biomass. <i>New Phytologist</i> , 2021 , 231, 315-325	9.8	2
169	Dual function of clock component OsLHY sets critical day length for photoperiodic flowering in rice. <i>Plant Biotechnology Journal</i> , 2021 , 19, 1644-1657	11.6	5
168	A transceptor-channel complex couples nitrate sensing to calcium signaling in Arabidopsis. <i>Molecular Plant</i> , 2021 , 14, 774-786	14.4	18
167	Exploration of rice yield potential: Decoding agronomic and physiological traits. <i>Crop Journal</i> , 2021 , 9, 577-589	4.6	6
166	Modulation of nitrate-induced phosphate response by the MYB transcription factor RLI1/HINGE1 in the nucleus. <i>Molecular Plant</i> , 2021 , 14, 517-529	14.4	7
165	Rice NIN-LIKE PROTEIN 4 plays a pivotal role in nitrogen use efficiency. <i>Plant Biotechnology Journal</i> , 2021 , 19, 448-461	11.6	16
164	Posttranslational Modifications: Regulation of Nitrogen Utilization and Signaling. <i>Plant and Cell Physiology</i> , 2021 , 62, 543-552	4.9	3
163	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. <i>Nature Plants</i> , 2021 , 7, 1108-1118	11.5	6

162	Editorial Feature: Meet the PCP Editor-Chengcai Chu. <i>Plant and Cell Physiology</i> , 2021 , 62, 923-925	4.9	
161	Diversification of plant agronomic traits by genome editing of brassinosteroid signaling family genes in rice. <i>Plant Physiology</i> , 2021 , 187, 2563-2576	6.6	2
160	A cryptic inhibitor of cytokinin phosphorelay controls rice grain size. <i>Molecular Plant</i> , 2021 ,	14.4	2
159	Overexpression of the rice ORANGE gene OsOR negatively regulates carotenoid accumulation, leads to higher tiller numbers and decreases stress tolerance in Nipponbare rice. <i>Plant Science</i> , 2021 , 310, 110962	5.3	2
158	Genomic basis of geographical adaptation to soil nitrogen in rice. <i>Nature</i> , 2021 , 590, 600-605	50.4	59
157	ARGONAUTE2 Enhances Grain Length and Salt Tolerance by Activating to Modulate Cytokinin Distribution in Rice. <i>Plant Cell</i> , 2020 , 32, 2292-2306	11.6	36
156	The OsGSK2 Kinase Integrates Brassinosteroid and Jasmonic Acid Signaling by Interacting with OsJAZ4. <i>Plant Cell</i> , 2020 , 32, 2806-2822	11.6	23
155	GSK2 stabilizes OFP3 to suppress brassinosteroid responses in rice. <i>Plant Journal</i> , 2020 , 102, 1187-1201	6.9	12
154	Glycosyltransferase OsUGT90A1 helps protect the plasma membrane during chilling stress in rice. <i>Journal of Experimental Botany</i> , 2020 , 71, 2723-2739	7	13
153	S-Nitrosylation Control of ROS and RNS Homeostasis in Plants: The Switching Function of Catalase. <i>Molecular Plant</i> , 2020 , 13, 946-948	14.4	11
152	Improvement of nutrient use efficiency in rice: current toolbox and future perspectives. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 1365-1384	6	30
151	NRT1.1s in plants: functions beyond nitrate transport. <i>Journal of Experimental Botany</i> , 2020 , 71, 4373-4379		27
150	Nitrogen-Use Divergence Between Indica and Japonica Rice: Variation at Nitrate Assimilation. <i>Molecular Plant</i> , 2020 , 13, 6-7	14.4	19
149	Vascular-specific expression of Gastrodia antifungal protein gene significantly enhanced cotton Verticillium wilt resistance. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1498-1500	11.6	3
148	The florigen interactor BdES43 represses flowering in the model temperate grass Brachypodium distachyon. <i>Plant Journal</i> , 2020 , 102, 262-275	6.9	1
147	Alterations in stomatal response to fluctuating light increase biomass and yield of rice under drought conditions. <i>Plant Journal</i> , 2020 , 104, 1334-1347	6.9	6
146	β-Carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Abscisic Acid. <i>Molecular Plant</i> , 2020 , 13, 1784-1801	14.4	21
145	Strigolactone Signaling: Repressor Proteins Are Transcription Factors. <i>Trends in Plant Science</i> , 2020 , 25, 960-963	13.1	2

144	Gibberellin Metabolism and Signaling: Targets for Improving Agronomic Performance of Crops. <i>Plant and Cell Physiology</i> , 2020 , 61, 1902-1911	4.9	23
143	Natural variations of SLG1 confer high-temperature tolerance in indica rice. <i>Nature Communications</i> , 2020 , 11, 5441	17.4	20
142	Endoplasmic Reticulum-Localized PURINE PERMEASE1 Regulates Plant Height and Grain Weight by Modulating Cytokinin Distribution in Rice. <i>Frontiers in Plant Science</i> , 2020 , 11, 618560	6.2	7
141	Nitrogen-phosphorus interplay: old story with molecular tale. <i>New Phytologist</i> , 2020 , 225, 1455-1460	9.8	36
140	Analysis of genetic architecture and favorable allele usage of agronomic traits in a large collection of Chinese rice accessions. <i>Science China Life Sciences</i> , 2020 , 63, 1688-1702	8.5	16
139	Towards understanding the hierarchical nitrogen signalling network in plants. <i>Current Opinion in Plant Biology</i> , 2020 , 55, 60-65	9.9	21
138	Analysis of rice root bacterial microbiota of Nipponbare and IR24. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2020 , 42, 506-518	1.4	
137	locus shortens rice maturity duration without yield penalty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18717-18722	11.5	29
136	The MYB Activator WHITE PETAL1 Associates with MtTT8 and MtWD40-1 to Regulate Carotenoid-Derived Flower Pigmentation in. <i>Plant Cell</i> , 2019 , 31, 2751-2767	11.6	43
135	Cytokinin-dependent regulatory module underlies the maintenance of zinc nutrition in rice. <i>New Phytologist</i> , 2019 , 224, 202-215	9.8	22
134	Fine-Tuning of MiR528 Accumulation Modulates Flowering Time in Rice. <i>Molecular Plant</i> , 2019 , 12, 1103-1113	11.4	30
133	NRT1.1B is associated with root microbiota composition and nitrogen use in field-grown rice. <i>Nature Biotechnology</i> , 2019 , 37, 676-684	44.5	276
132	Genome-wide association study identifies variation of glucosidase being linked to natural variation of the maximal quantum yield of photosystem II. <i>Physiologia Plantarum</i> , 2019 , 166, 105-119	4.6	8
131	The bZIP73 transcription factor controls rice cold tolerance at the reproductive stage. <i>Plant Biotechnology Journal</i> , 2019 , 17, 1834-1849	11.6	30
130	Nitrate-NRT1.1B-SPX4 cascade integrates nitrogen and phosphorus signalling networks in plants. <i>Nature Plants</i> , 2019 , 5, 401-413	11.5	133
129	Control of rice pre-harvest sprouting by glutaredoxin-mediated abscisic acid signaling. <i>Plant Journal</i> , 2019 , 100, 1036-1051	6.9	22
128	Mutation of a Nucleotide-Binding Leucine-Rich Repeat Immune Receptor-Type Protein Disrupts Immunity to Bacterial Blight. <i>Plant Physiology</i> , 2019 , 181, 1295-1313	6.6	9
127	NRT1.1B improves selenium concentrations in rice grains by facilitating selenomethionine translocation. <i>Plant Biotechnology Journal</i> , 2019 , 17, 1058-1068	11.6	30

126	Big Grain3, encoding a purine permease, regulates grain size via modulating cytokinin transport in rice. <i>Journal of Integrative Plant Biology</i> , 2019 , 61, 581-597	8.3	35
125	Expression of the Nitrate Transporter Gene Confers High Yield and Early Maturation in Rice. <i>Plant Cell</i> , 2018 , 30, 638-651	11.6	145
124	Root microbiota shift in rice correlates with resident time in the field and developmental stage. <i>Science China Life Sciences</i> , 2018 , 61, 613-621	8.5	98
123	Fine-Tuning of Eui1: Breaking the Bottleneck in Hybrid Rice Seed Production. <i>Molecular Plant</i> , 2018 , 11, 643-644	14.4	1
122	Overexpression of microRNA408 enhances photosynthesis, growth, and seed yield in diverse plants. <i>Journal of Integrative Plant Biology</i> , 2018 , 60, 323-340	8.3	49
121	A Novel QTL qTGW3 Encodes the GSK3/SHAGGY-Like Kinase OsGSK5/OsSK41 that Interacts with OsARF4 to Negatively Regulate Grain Size and Weight in Rice. <i>Molecular Plant</i> , 2018 , 11, 736-749	14.4	100
120	Crop 3D-a LiDAR based platform for 3D high-throughput crop phenotyping. <i>Science China Life Sciences</i> , 2018 , 61, 328-339	8.5	53
119	Early selection of bZIP73 facilitated adaptation of japonica rice to cold climates. <i>Nature Communications</i> , 2018 , 9, 3302	17.4	68
118	Cold stress tolerance in rice: physiological changes, molecular mechanism, and future prospects. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2018 , 40, 171-185	1.4	18
117	Parallel selection on a dormancy gene during domestication of crops from multiple families. <i>Nature Genetics</i> , 2018 , 50, 1435-1441	36.3	92
116	Sweet Sorghum Originated through Selection of , a Plant-Specific NAC Transcription Factor Gene. <i>Plant Cell</i> , 2018 , 30, 2286-2307	11.6	27
115	Functional Specificities of Brassinosteroid and Potential Utilization for Crop Improvement. <i>Trends in Plant Science</i> , 2018 , 23, 1016-1028	13.1	70
114	Are we ready to improve phosphorus homeostasis in rice?. <i>Journal of Experimental Botany</i> , 2018 , 69, 3515-3522	13	13
113	Endosperm sugar accumulation caused by mutation of PHS8/ISA1 leads to pre-harvest sprouting in rice. <i>Plant Journal</i> , 2018 , 95, 545-556	6.9	28
112	ROS accumulation and antiviral defence control by microRNA528 in rice. <i>Nature Plants</i> , 2017 , 3, 16203	11.5	134
111	Physiological Analysis of Brassinosteroid Responses and Sensitivity in Rice. <i>Methods in Molecular Biology</i> , 2017 , 1564, 23-29	1.4	5
110	RD26 mediates crosstalk between drought and brassinosteroid signalling pathways. <i>Nature Communications</i> , 2017 , 8, 14573	17.4	119
109	Control of secondary cell wall patterning involves xylan deacetylation by a GDSL esterase. <i>Nature Plants</i> , 2017 , 3, 17017	11.5	57

108	High-efficiency breeding of early-maturing rice cultivars via CRISPR/Cas9-mediated genome editing. <i>Journal of Genetics and Genomics</i> , 2017 , 44, 175-178	4	76
107	Nitrogen use efficiency in crops: lessons from Arabidopsis and rice. <i>Journal of Experimental Botany</i> , 2017 , 68, 2477-2488	7	148
106	Genome-wide Targeted Mutagenesis in Rice Using the CRISPR/Cas9 System. <i>Molecular Plant</i> , 2017 , 10, 1242-1245	14.4	132
105	Arabidopsis WRKY46, WRKY54, and WRKY70 Transcription Factors Are Involved in Brassinosteroid-Regulated Plant Growth and Drought Responses. <i>Plant Cell</i> , 2017 , 29, 1425-1439	11.6	178
104	A long noncoding RNA involved in rice reproductive development by negatively regulating osa-miR160. <i>Science Bulletin</i> , 2017 , 62, 470-475	10.6	33
103	Asian wild rice is a hybrid swarm with extensive gene flow and feralization from domesticated rice. <i>Genome Research</i> , 2017 , 27, 1029-1038	9.7	60
102	Leaf Photosynthetic Parameters Related to Biomass Accumulation in a Global Rice Diversity Survey. <i>Plant Physiology</i> , 2017 , 175, 248-258	6.6	49
101	MicroRNAs in crop improvement: fine-tuners for complex traits. <i>Nature Plants</i> , 2017 , 3, 17077	11.5	176
100	Melatonin Regulates Root Architecture by Modulating Auxin Response in Rice. <i>Frontiers in Plant Science</i> , 2017 , 8, 134	6.2	69
99	Assessment of Five Chilling Tolerance Traits and GWAS Mapping in Rice Using the USDA Mini-Core Collection. <i>Frontiers in Plant Science</i> , 2017 , 8, 957	6.2	47
98	Brassinosteroids Regulate OFP1, a DLT Interacting Protein, to Modulate Plant Architecture and Grain Morphology in Rice. <i>Frontiers in Plant Science</i> , 2017 , 8, 1698	6.2	37
97	Reply: Brassinosteroid Regulates Gibberellin Synthesis to Promote Cell Elongation in Rice: Critical Comments on Ross and Quittenden's Letter. <i>Plant Cell</i> , 2016 , 28, 833-5	11.6	17
96	Rice HOX12 Regulates Panicle Exsertion by Directly Modulating the Expression of ELONGATED UPPERMOST INTERNODE1. <i>Plant Cell</i> , 2016 , 28, 680-95	11.6	44
95	Crop 3D: a platform based on LiDAR for 3D high-throughput crop phenotyping. <i>Scientia Sinica Vitae</i> , 2016 , 46, 1210-1221	1.4	5
94	Significant Improvement of Cotton Verticillium Wilt Resistance by Manipulating the Expression of Gastrodia Antifungal Proteins. <i>Molecular Plant</i> , 2016 , 9, 1436-1439	14.4	36
93	Identification of microRNAs in rice root in response to nitrate and ammonium. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 651-661	4	23
92	The Power of Inbreeding: NGS-Based GWAS of Rice Reveals Convergent Evolution during Rice Domestication. <i>Molecular Plant</i> , 2016 , 9, 975-85	14.4	66
91	Rapid stomatal response to fluctuating light: an under-explored mechanism to improve drought tolerance in rice. <i>Functional Plant Biology</i> , 2016 , 43, 727-738	2.7	41

90	Genetics-based dynamic systems model of canopy photosynthesis: the key to improve light and resource use efficiencies for crops. <i>Food and Energy Security</i> , 2016 , 5, 18-25	4.1	13
89	Variations between the photosynthetic properties of elite and landrace Chinese rice cultivars revealed by simultaneous measurements of 820 nm transmission signal and chlorophyll a fluorescence induction. <i>Journal of Plant Physiology</i> , 2015 , 177, 128-138	3.6	28
88	Nitric oxide ameliorates zinc oxide nanoparticles-induced phytotoxicity in rice seedlings. <i>Journal of Hazardous Materials</i> , 2015 , 297, 173-82	12.8	100
87	MicroRNA399 is involved in multiple nutrient starvation responses in rice. <i>Frontiers in Plant Science</i> , 2015 , 6, 188	6.2	45
86	A New Era for Crop Improvement: From Model-Guided Rationale Design to Practical Engineering. <i>Molecular Plant</i> , 2015 , 8, 1299-301	14.4	2
85	Melatonin delays leaf senescence and enhances salt stress tolerance in rice. <i>Journal of Pineal Research</i> , 2015 , 59, 91-101	10.4	184
84	Towards understanding abscisic acid-mediated leaf senescence. <i>Science China Life Sciences</i> , 2015 , 58, 506-8	8.5	9
83	Ethylene responses in rice roots and coleoptiles are differentially regulated by a carotenoid isomerase-mediated abscisic acid pathway. <i>Plant Cell</i> , 2015 , 27, 1061-81	11.6	72
82	Activation of Big Grain1 significantly improves grain size by regulating auxin transport in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11102-7	11.5	140
81	Variations in CYP78A13 coding region influence grain size and yield in rice. <i>Plant, Cell and Environment</i> , 2015 , 38, 800-11	8.4	66
80	Control of grain size and rice yield by GL2-mediated brassinosteroid responses. <i>Nature Plants</i> , 2015 , 2, 15195	11.5	209
79	Variation in NRT1.1B contributes to nitrate-use divergence between rice subspecies. <i>Nature Genetics</i> , 2015 , 47, 834-8	36.3	334
78	Combinations of Hd2 and Hd4 genes determine rice adaptability to Heilongjiang Province, northern limit of China. <i>Journal of Integrative Plant Biology</i> , 2015 , 57, 698-707	8.3	31
77	Recent Progress in Molecular Dissection of Nutrient Uptake and Transport in Rice. <i>Scientia Sinica Vitae</i> , 2015 , 45, 569-590	1.4	3
76	Brassinosteroid regulates cell elongation by modulating gibberellin metabolism in rice. <i>Plant Cell</i> , 2014 , 26, 4376-93	11.6	442
75	Understanding the genetic and epigenetic architecture in complex network of rice flowering pathways. <i>Protein and Cell</i> , 2014 , 5, 889-98	7.2	49
74	CYTOKININ OXIDASE/DEHYDROGENASE4 Integrates Cytokinin and Auxin Signaling to Control Rice Crown Root Formation. <i>Plant Physiology</i> , 2014 , 165, 1035-1046	6.6	117
73	OsNAP connects abscisic acid and leaf senescence by fine-tuning abscisic acid biosynthesis and directly targeting senescence-associated genes in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10013-8	11.5	316

72	OsPT2, a phosphate transporter, is involved in the active uptake of selenite in rice. <i>New Phytologist</i> , 2014 , 201, 1183-1191	9.8	172
71	Expression patterns of ABA and GA metabolism genes and hormone levels during rice seed development and imbibition: a comparison of dormant and non-dormant rice cultivars. <i>Journal of Genetics and Genomics</i> , 2014 , 41, 327-38	4	36
70	OsZIP71, a bZIP transcription factor, confers salinity and drought tolerance in rice. <i>Plant Molecular Biology</i> , 2014 , 84, 19-36	4.6	213
69	Transformation of LTP gene into Brassica napus to enhance its resistance to Sclerotinia sclerotiorum. <i>Russian Journal of Genetics</i> , 2013 , 49, 380-387	0.6	8
68	NOT2 proteins promote polymerase II-dependent transcription and interact with multiple MicroRNA biogenesis factors in Arabidopsis. <i>Plant Cell</i> , 2013 , 25, 715-27	11.6	113
67	H ₂ O ₂ -induced leaf cell death and the crosstalk of reactive nitric/oxygen species. <i>Journal of Integrative Plant Biology</i> , 2013 , 55, 202-8	8.3	57
66	Cross-talk of nitric oxide and reactive oxygen species in plant programmed cell death. <i>Frontiers in Plant Science</i> , 2013 , 4, 314	6.2	141
65	The rice GERMINATION DEFECTIVE 1, encoding a B3 domain transcriptional repressor, regulates seed germination and seedling development by integrating GA and carbohydrate metabolism. <i>Plant Journal</i> , 2013 , 75, 403-16	6.9	44
64	Direct modulation of protein level in Arabidopsis. <i>Molecular Plant</i> , 2013 , 6, 1711-4	14.4	10
63	Rice RNA-dependent RNA polymerase 6 acts in small RNA biogenesis and spikelet development. <i>Plant Journal</i> , 2012 , 71, 378-89	6.9	70
62	OsWRKY30 is activated by MAP kinases to confer drought tolerance in rice. <i>Plant Molecular Biology</i> , 2012 , 80, 241-53	4.6	167
61	Brassinosteroid signaling and application in rice. <i>Journal of Genetics and Genomics</i> , 2012 , 39, 3-9	4	44
60	DWARF AND LOW-TILLERING acts as a direct downstream target of a GSK3/SHAGGY-like kinase to mediate brassinosteroid responses in rice. <i>Plant Cell</i> , 2012 , 24, 2562-77	11.6	187
59	Activation of the jasmonic acid pathway by depletion of the hydroperoxide lyase OsHPL3 reveals crosstalk between the HPL and AOS branches of the oxylipin pathway in rice. <i>PLoS ONE</i> , 2012 , 7, e50089 ³⁻⁷	3.7	58
58	Insights into salt tolerance from the genome of <i>Thellungiella salsuginea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12219-24	11.5	227
57	Roles of DCL4 and DCL3b in rice phased small RNA biogenesis. <i>Plant Journal</i> , 2012 , 69, 462-74	6.9	224
56	Nitric oxide and protein S-nitrosylation are integral to hydrogen peroxide-induced leaf cell death in rice. <i>Plant Physiology</i> , 2012 , 158, 451-64	6.6	237
55	Co-overexpression FIT with AtbHLH38 or AtbHLH39 in Arabidopsis-enhanced cadmium tolerance via increased cadmium sequestration in roots and improved iron homeostasis of shoots. <i>Plant Physiology</i> , 2012 , 158, 790-800	6.6	163

54	The histone methyltransferase SDG724 mediates H3K36me2/3 deposition at MADS50 and RFT1 and promotes flowering in rice. <i>Plant Cell</i> , 2012 , 24, 3235-47	11.6	79
53	RLIN1, encoding a putative coproporphyrinogen III oxidase, is involved in lesion initiation in rice. <i>Journal of Genetics and Genomics</i> , 2011 , 38, 29-37	4	45
52	Towards Understanding Plant Response to Heavy Metal Stress 2011 ,		14
51	Computation-assisted SiteFinding- PCR for isolating flanking sequence tags in rice. <i>BioTechniques</i> , 2011 , 51, 421-3	2.5	8
50	Semi-dominant mutations in the CC-NB-LRR-type R gene, NLS1, lead to constitutive activation of defense responses in rice. <i>Plant Journal</i> , 2011 , 66, 996-1007	6.9	68
49	Arsenic biotransformation and volatilization in transgenic rice. <i>New Phytologist</i> , 2011 , 191, 49-56	9.8	102
48	An AT-hook gene is required for palea formation and floral organ number control in rice. <i>Developmental Biology</i> , 2011 , 359, 277-88	3.1	68
47	Involvement of OsNPR1/NH1 in rice basal resistance to blast fungus <i>Magnaporthe oryzae</i> . <i>European Journal of Plant Pathology</i> , 2011 , 131, 221-235	2.1	21
46	Genetic transformation of lipid transfer protein encoding gene in <i>Phalaenopsis amabilis</i> to enhance cold resistance. <i>Euphytica</i> , 2011 , 177, 33-43	2.1	20
45	ZEBRA2, encoding a carotenoid isomerase, is involved in photoprotection in rice. <i>Plant Molecular Biology</i> , 2011 , 75, 211-21	4.6	44
44	OsSDIR1 overexpression greatly improves drought tolerance in transgenic rice. <i>Plant Molecular Biology</i> , 2011 , 76, 145-56	4.6	107
43	Fine mapping of qSTV11TQ, a major gene conferring resistance to rice stripe disease. <i>Theoretical and Applied Genetics</i> , 2011 , 122, 915-23	6	25
42	Comparative proteomics analysis of OsNAS1 transgenic <i>Brassica napus</i> under salt stress. <i>Science Bulletin</i> , 2011 , 56, 2343-2350		13
41	Phosphate starvation signaling in rice. <i>Plant Signaling and Behavior</i> , 2011 , 6, 927-9	2.5	15
40	LEAF TIP NECROSIS1 plays a pivotal role in the regulation of multiple phosphate starvation responses in rice. <i>Plant Physiology</i> , 2011 , 156, 1101-15	6.6	162
39	A rice plastidial nucleotide sugar epimerase is involved in galactolipid biosynthesis and improves photosynthetic efficiency. <i>PLoS Genetics</i> , 2011 , 7, e1002196	6	57
38	The interactions among DWARF10, auxin and cytokinin underlie lateral bud outgrowth in rice. <i>Journal of Integrative Plant Biology</i> , 2010 , 52, 626-38	8.3	41
37	Up-regulation of LSB1/GDU3 affects geminivirus infection by activating the salicylic acid pathway. <i>Plant Journal</i> , 2010 , 62, 12-23	6.9	52

36	The redox switch: dynamic regulation of protein function by cysteine modifications. <i>Physiologia Plantarum</i> , 2010 , 138, 360-71	4.6	162
35	Rice DENSE AND ERECT PANICLE 2 is essential for determining panicle outgrowth and elongation. <i>Cell Research</i> , 2010 , 20, 838-49	24.7	100
34	Nitric oxide: promoter or suppressor of programmed cell death?. <i>Protein and Cell</i> , 2010 , 1, 133-42	7.2	43
33	Roles of DLT in fine modulation on brassinosteroid response in rice. <i>Plant Signaling and Behavior</i> , 2009 , 4, 438-9	2.5	13
32	OsMSRA4.1 and OsMSRB1.1, two rice plastidial methionine sulfoxide reductases, are involved in abiotic stress responses. <i>Planta</i> , 2009 , 230, 227-38	4.7	55
31	OsMT1a, a type 1 metallothionein, plays the pivotal role in zinc homeostasis and drought tolerance in rice. <i>Plant Molecular Biology</i> , 2009 , 70, 219-29	4.6	189
30	DWARF AND LOW-TILLERING, a new member of the GRAS family, plays positive roles in brassinosteroid signaling in rice. <i>Plant Journal</i> , 2009 , 58, 803-16	6.9	222
29	Natural variation at the DEP1 locus enhances grain yield in rice. <i>Nature Genetics</i> , 2009 , 41, 494-7	36.3	645
28	S-nitrosylation of AtSABP3 antagonizes the expression of plant immunity. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2131-7	5.4	187
27	Molecular analysis of rice plants harboring a multi-functional T-DNA tagging system. <i>Journal of Genetics and Genomics</i> , 2009 , 36, 267-76	4	29
26	Mutations of genes in synthesis of the carotenoid precursors of ABA lead to pre-harvest sprouting and photo-oxidation in rice. <i>Plant Journal</i> , 2008 , 54, 177-89	6.9	169
25	Gene expression of jojoba (<i>Simmondsia chinensis</i>) leaves exposed to drying. <i>Environmental and Experimental Botany</i> , 2008 , 63, 137-146	5.9	9
24	Nitric oxide function and signalling in plant disease resistance. <i>Journal of Experimental Botany</i> , 2008 , 59, 147-54	7	137
23	Abscisic acid and the pre-harvest sprouting in cereals. <i>Plant Signaling and Behavior</i> , 2008 , 3, 1046-8	2.5	46
22	Mutation of the rice Narrow leaf1 gene, which encodes a novel protein, affects vein patterning and polar auxin transport. <i>Plant Physiology</i> , 2008 , 147, 1947-59	6.6	168
21	Arabidopsis SDIR1 enhances drought tolerance in crop plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 2251-4	2.1	44
20	Overexpression of a rice OsDREB1F gene increases salt, drought, and low temperature tolerance in both Arabidopsis and rice. <i>Plant Molecular Biology</i> , 2008 , 67, 589-602	4.6	303
19	Excision of a selective marker in transgenic rice using a novel Cre/loxP system controlled by a floral specific promoter. <i>Transgenic Research</i> , 2008 , 17, 1035-43	3.3	45

18	The Arabidopsis Spontaneous Cell Death1 gene, encoding a zeta-carotene desaturase essential for carotenoid biosynthesis, is involved in chloroplast development, photoprotection and retrograde signalling. <i>Cell Research</i> , 2007 , 17, 458-70	24.7	91
17	SDG714, a histone H3K9 methyltransferase, is involved in Tos17 DNA methylation and transposition in rice. <i>Plant Cell</i> , 2007 , 19, 9-22	11.6	140
16	Oryza sativa dicer-like4 reveals a key role for small interfering RNA silencing in plant development. <i>Plant Cell</i> , 2007 , 19, 2705-18	11.6	115
15	OsWRKY71, a rice transcription factor, is involved in rice defense response. <i>Journal of Plant Physiology</i> , 2007 , 164, 969-79	3.6	259
14	Aqueous Extract of Inonotus bliquus (Fr.) Pilat (Hymenochaetaceae) Significantly Inhibits the Growth of Sarcoma 180 by Inducing Apoptosis. <i>American Journal of Pharmacology and Toxicology</i> , 2007 , 2, 10-17	0.6	19
13	GOLD HULL AND INTERNODE2 encodes a primarily multifunctional cinnamyl-alcohol dehydrogenase in rice. <i>Plant Physiology</i> , 2006 , 140, 972-83	6.6	140
12	EUI1, encoding a putative cytochrome P450 monooxygenase, regulates internode elongation by modulating gibberellin responses in rice. <i>Plant and Cell Physiology</i> , 2006 , 47, 181-91	4.9	117
11	Oral administration of exopolysaccharide from <i>Aphanothece halophytica</i> (Chroococcales) significantly inhibits influenza virus (H1N1)-induced pneumonia in mice. <i>International Immunopharmacology</i> , 2006 , 6, 1093-9	5.8	33
10	Leafy head2, which encodes a putative RNA-binding protein, regulates shoot development of rice. <i>Cell Research</i> , 2006 , 16, 267-76	24.7	18
9	OsGLU1, a putative membrane-bound endo-1,4-beta-D-glucanase from rice, affects plant internode elongation. <i>Plant Molecular Biology</i> , 2006 , 60, 137-51	4.6	66
8	Isolation and expression analysis of salt up-regulated ESTs in upland rice using PCR-based subtractive suppression hybridization method. <i>Plant Science</i> , 2005 , 168, 847-853	5.3	36
7	OsWRKY03, a rice transcriptional activator that functions in defense signaling pathway upstream of OsNPR1. <i>Cell Research</i> , 2005 , 15, 593-603	24.7	116
6	Down-Regulation of OsGRF1 Gene in Rice rhd1 Mutant Results in Reduced Heading Date. <i>Journal of Integrative Plant Biology</i> , 2005 , 47, 745-752	8.3	34
5	Effects of potassium iodide on the growth and metabolite accumulation of two planktonic diatoms. <i>Journal of Applied Phycology</i> , 2005 , 17, 355-362	3.2	3
4	Loss of function of OsDCL1 affects microRNA accumulation and causes developmental defects in rice. <i>Plant Physiology</i> , 2005 , 139, 296-305	6.6	185
3	In plants the alc gene expression system responds more rapidly following induction with acetaldehyde than with ethanol. <i>FEBS Letters</i> , 2003 , 535, 136-40	3.8	40
2	Ethanol vapor is an efficient inducer of the alc gene expression system in model and crop plant species. <i>Plant Physiology</i> , 2002 , 129, 943-8	6.6	54
1	Expression analysis of gdcSP promoter from C3-C4 intermediate plant <i>Flaveria anomala</i> in transgenic rice. <i>Science Bulletin</i> , 2001 , 46, 1635-1638		7

